
Next Technical Dinner Meeting: Monday, November 14, 2011

Greek Islands Restaurant, Lombard, IL

5:00 pm Sign In / Cocktails

5:45 pm Speakers

\$30 members with reservations

6:45 pm Dinner & Meeting

\$35 non-members and walk-ins

E-mail your reservation to: mlaing@munzing.us or sign up online at www.chicagocoatings.org

For this meeting in lieu of free attendance for chemists and manufacturers, these funds have been put towards a **PREMIUM PRIZE** to be raffled off to attending chemists and manufacturers to thank you for joining us.

SPEAKERS:

Mike Watkins, CYPRESS CHEMICAL CONSULTING

“Selection of Reactive Diluents for High Performance Epoxy Coatings”

Epoxy resins used in 2-pack coatings are viscous liquids or solids, so viscosity reduction is always an issue formulators must address. Solvents can be used, but the associated VOC is undesirable. Reactive diluents are commonly used to decrease viscosity without increasing VOC. However, these materials can adversely affect other performance characteristics. This presentation covers trade-offs formulators must consider when formulating the most widely used reactive diluents in high performance epoxy coatings.

Mike Watkins is a polymer chemist with over 37 years of experience developing high performance industrial coatings for a number of companies, including Sherwin-Williams, Battelle Columbus Laboratories, Shell Chemical Company, and Hexion Specialty Chemicals. Mike spent 25 years in the epoxy business designing resins, curing agents, modifiers, and formulated systems. During that time, he helped epoxy formulators around the world to develop many new products and processes. He founded Cypress Chemical Consulting, Inc. to continue his work with epoxies and industrial coatings.

Rick Caldwell, FORBO BONDING SYSTEMS

“Optimizing Vinyl Acetate Ethylene Based Enamels Using Design of Experiments: A Formulator’s Perspective”

Titanium Dioxide is currently in a supply shortage position which is expected to worsen over the coming years. As a result there is renewed vigor in using extender pigments to stretch available material. Selection and use of extender pigment is only successful if the correct material is identified. The presentation will look at the basis for choice which initially is formulation position relative to CPVC. For formulations above CPVC structured Pigment compared to Conventional Calcined clay offers superior results, while this can also be supplemented by judicious selection of Calcium carbonate. Examples will show basic principles of use. For formulation below CPVC the options are more limited and rely on developing improved spacing of the TiO₂ to maximize its properties. New modified ultrafine Calcium Carbonates are available which combine particle size and improved dispersibility allowing them to act as effective TiO₂ spacers and also maintain a neutral white color. Specific products are available for both solvent and water based systems.

Rick Caldwell is a research associate and project leader for the development of architectural coatings latexes for Forbo Bonding Systems Synthetic Polymers Group, focusing on introducing new vinyl acetate ethylene latexes for “green” architectural coatings. Rick has worked in the architectural coatings industry for over 25 years, formulating with numerous binder and additive technologies. Rick previously held positions at Reichhold Inc., NL Chemicals (Elementis), and M.A.Bruder & Sons (Sherwin-Williams). He has a BS degree in Chemistry from West Chester University, PA.

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NEW MEMBERS

Jonathan Escondo, LA-CO Industries/Markal

CPCA & CSCT HOLIDAY PARTY**Friday December 9th**

Oak Brook Hills Marriott Resort

3500 Midwest Road, Oak Brook, IL 60523

6:00 reception**7:00 Dinner**

Entertainment: *America's Best Pop, Jazz and Standards performed by Peter Oprisko and His Ensembles.*

Visit his web site for a listen and more info: <http://www.peteroprisko.com>

SCHOLARSHIPS

It's not too early to begin thinking about the spring scholarship awards for your child or grandchild. Each year the CSCT gives away \$2,000 Merit Awards to children or grandchildren of current CSCT member that are pursuing an education in a physical science. And along with the CPCA, we give away thousands more to children of current CSCT or CPCA, regardless of their course of study.

Applications are available on our website at www.chicagocoatings.org

Application Deadlines: March 1, 2012 (Merit) and April 1, 2012 (Joint)

Recipients will be announced at our April 2012 meeting.

25 YEAR CLUB

What were you doing 25 years ago? If you were a member of any Society for Coatings Technology 25 years ago and are now a member of the CSCT you may qualify for the CSCT 25 Year Club. However, we need to know who you are. **Call or write:** *Evans Angelos, 417 Naperville Road, Clarendon, IL 60514; (630) 323-6474; evansangelos@comcast.net.*

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2011-2012 SCHEDULE OF EVENTS:

Fall 2011:

MONDAY SEPT. 12, 2011	Technical Meeting	Greek Islands, Lombard, IL
TUES-WED, SEPT. 13-14	COATINGS TRENDS & TECHNOLOGIES	Oak Brook IL
MONDAY OCTOBER 10	Technical Meeting	Real Time Sports Bar, Elk Grove Village, IL
MONDAY NOVEMBER 14	Technical Meeting	Greek Islands, Lombard, IL
FRIDAY, DECEMBER 9	CPCA/CSCT HOLIDAY PARTY	Oak Brook Hills Marriott

Winter/Spring 2012:

MONDAY JANUARY 9, 2012	Technical Meeting	Greek Islands, Lombard, IL
MONDAY FEBRUARY 13	Technical Meeting	Greek Islands, Lombard, IL
MONDAY MARCH 12	Technical Meeting	IIT, Chicago, IL (tentative)
MONDAY APRIL 9	Technical Meeting	Location TBA
THURSDAY, MAY 17	CSCT ANNUAL AWARDS DINNER	Maggianos, Oak Brook IL
MONDAY, JULY 23	CSCT ANNUAL GOLF OUTING	St. Andrews, West Chicago IL

Meeting Venues & Directions:

GREEK ISLANDS: 300 East 22nd St, Lombard, IL 60148	(630) 932-4545
Located off I-88, Exit Highland Avenue North to 22nd Street	
REAL TIME SPORTS BAR: 1120-22 W Devon Ave, Elk Grove Village, IL 60007	(847) 534-0600
Located off I-290, west of the tollway, N of Elgin-OHare/Thorndale and E of Rohlwing Rd/53	
ILLINOIS INSTITUTE OF TECHNOLOGY: 3300 South Federal Street, Chicago, IL	(312) 567-3000
Located off the Dan Ryan, between 31st and 35th Street	
MAPLE MEADOWS GOLF COURSE: 272 S. Addison Rd, Wood Dale, IL 60191	(630) 616-8424
Located off I-290, 1 mile north of Lake Street on Addison Road	

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